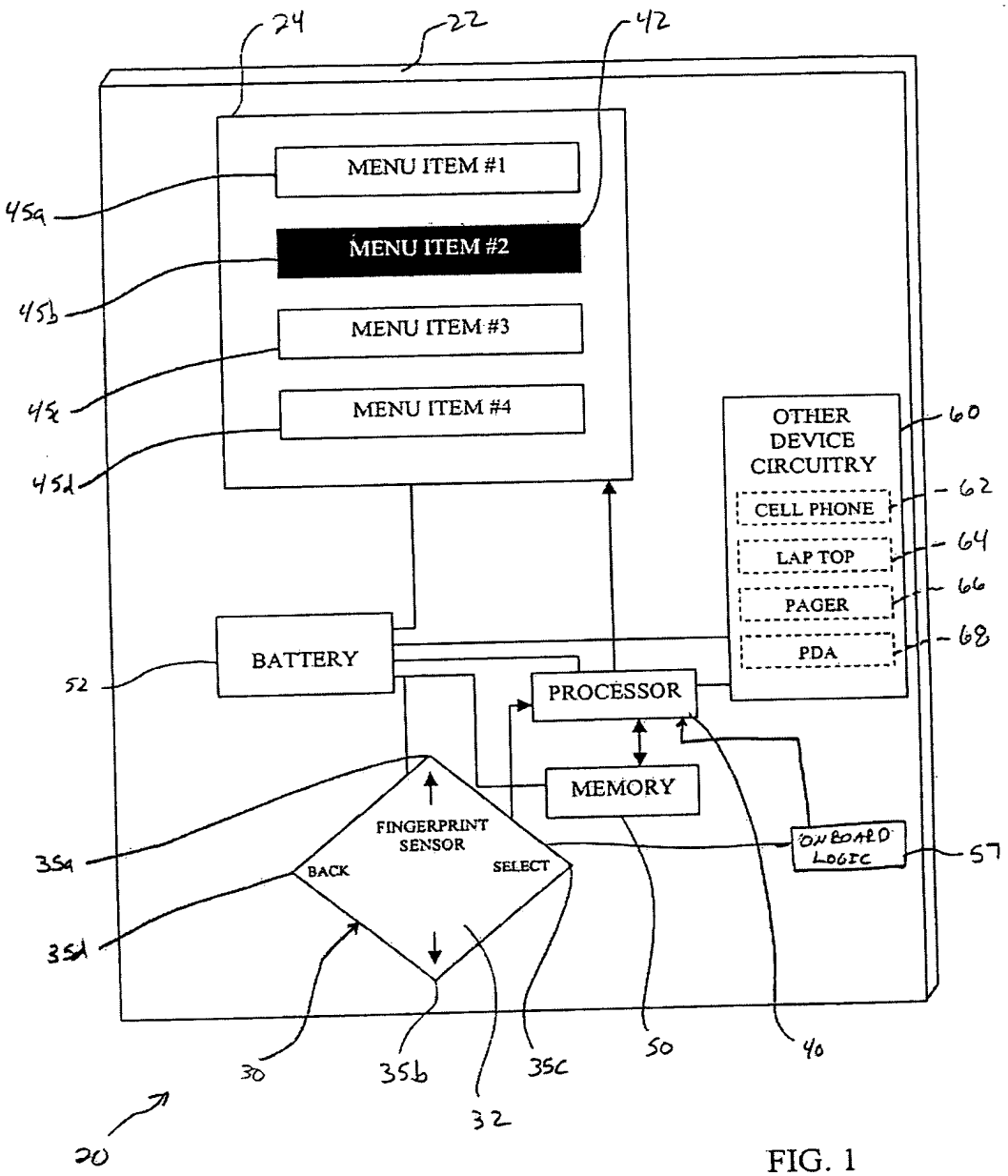
24
22
42
MENU ITEM #1
MENU ITEM #2
MENU ITEM #3
MENU ITEM #4
45a
45b
45c
45d
OTHER DEVICE CIRCUITRY
60
CELL PHONE
62
LAP TOP
64
PAGER
66
PDA
68
BATTERY
52
PROCESSOR
MEMORY
ON BOARD LOGIC
57
FINGERPRINT SENSOR
BACK
SELECT
35a
35d
30
35b
32
35c
50
40
20

FIG. 1

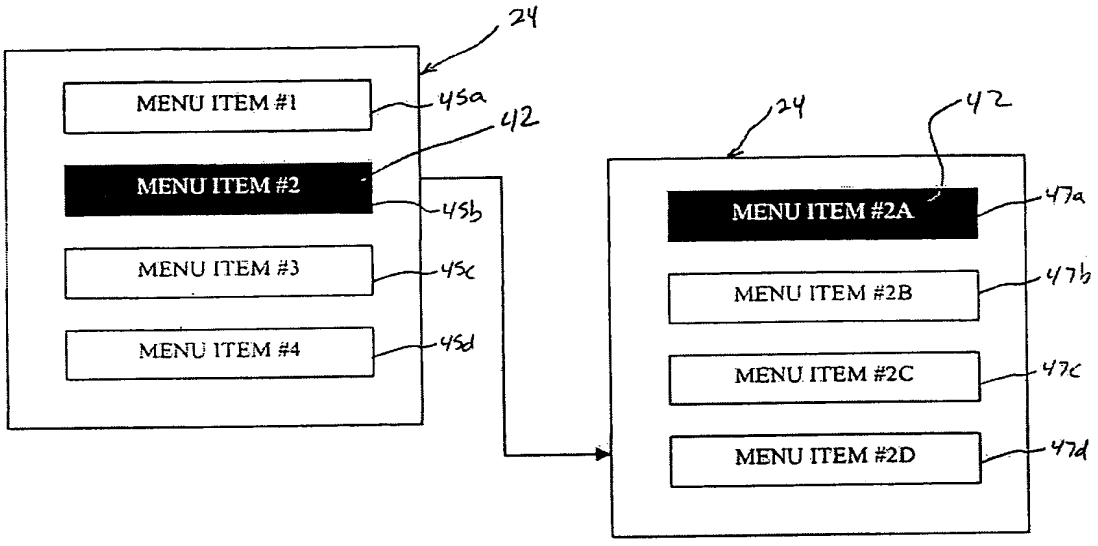
24
MENU ITEM #1
45a
42
MENU ITEM #2
45b
MENU ITEM #3
45c
MENU ITEM #4
45d
24
42
MENU ITEM #2A
47a
MENU ITEM #2B
47b
MENU ITEM #2C
47c
MENU ITEM #2D
47d

FIG. 2

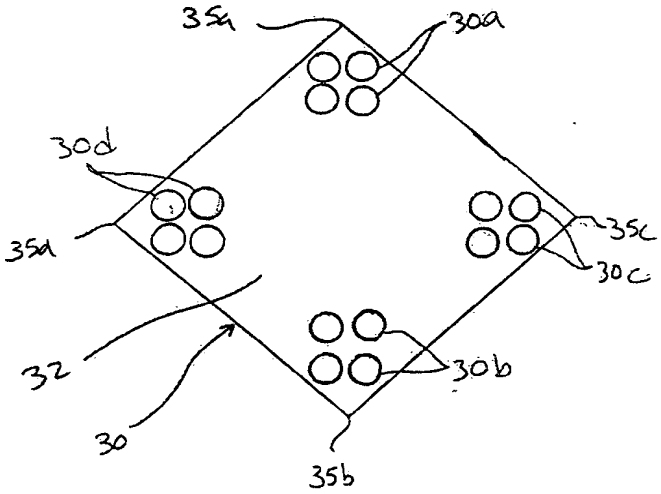
35a
30a
30d
35a
35c
30c
32
30
30b
35b

FIG. 3

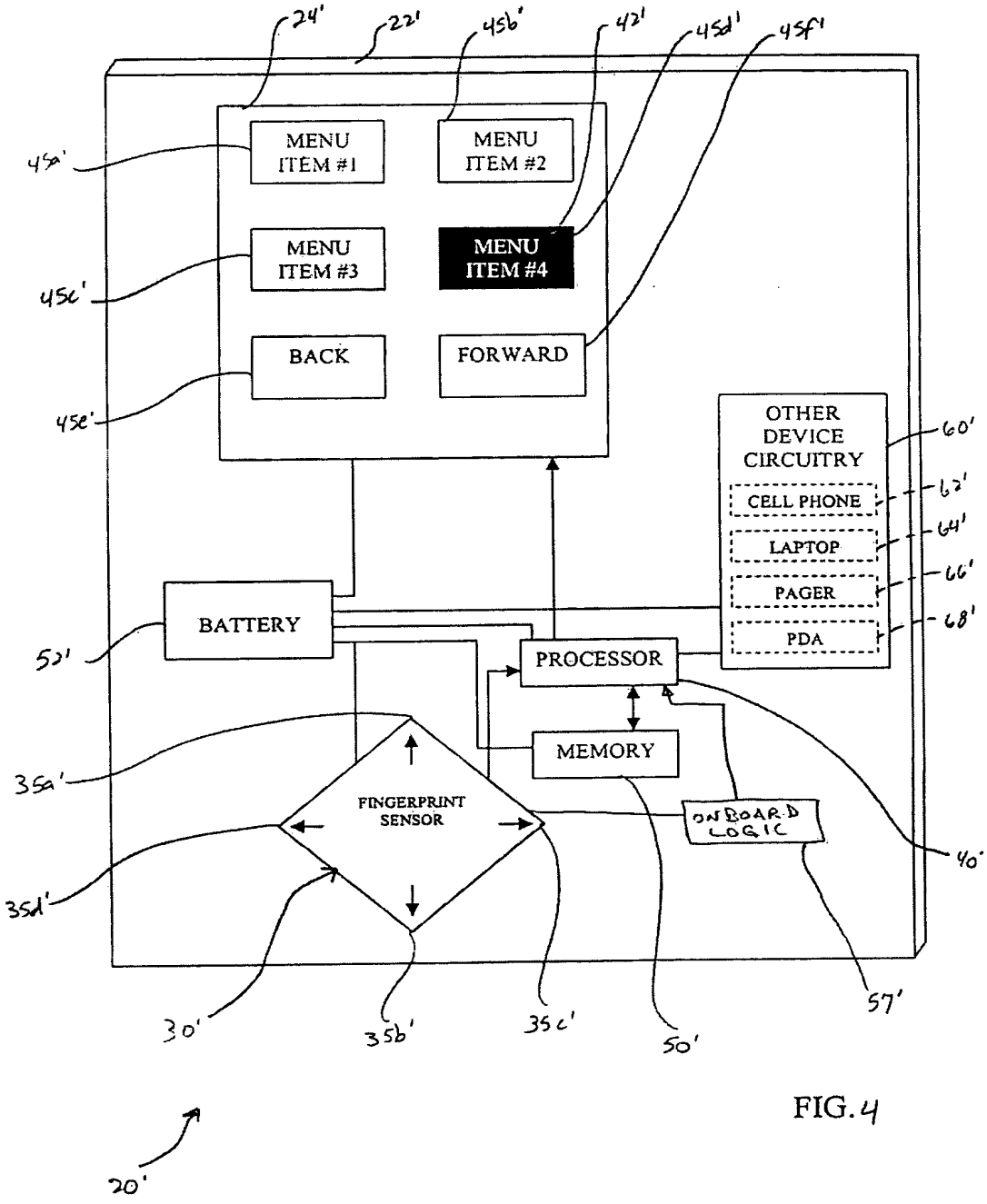
24'
22'
45b'
42'
45d'
45f'
45a'
MENU ITEM #1
MENU ITEM #2
45c'
MENU ITEM #3
MENU ITEM #4
BACK
FORWARD
45e'
OTHER DEVICE CIRCUITRY
60'
CELL PHONE
62'
LAPTOP
64'
PAGER
66'
PDA
68'
BATTERY
52'
PROCESSOR
MEMORY
35a'
FINGERPRINT SENSOR
ONBOARD LOGIC
40'
35d'
30'
35b'
35c'
50'
57'
20'

FIG. 4

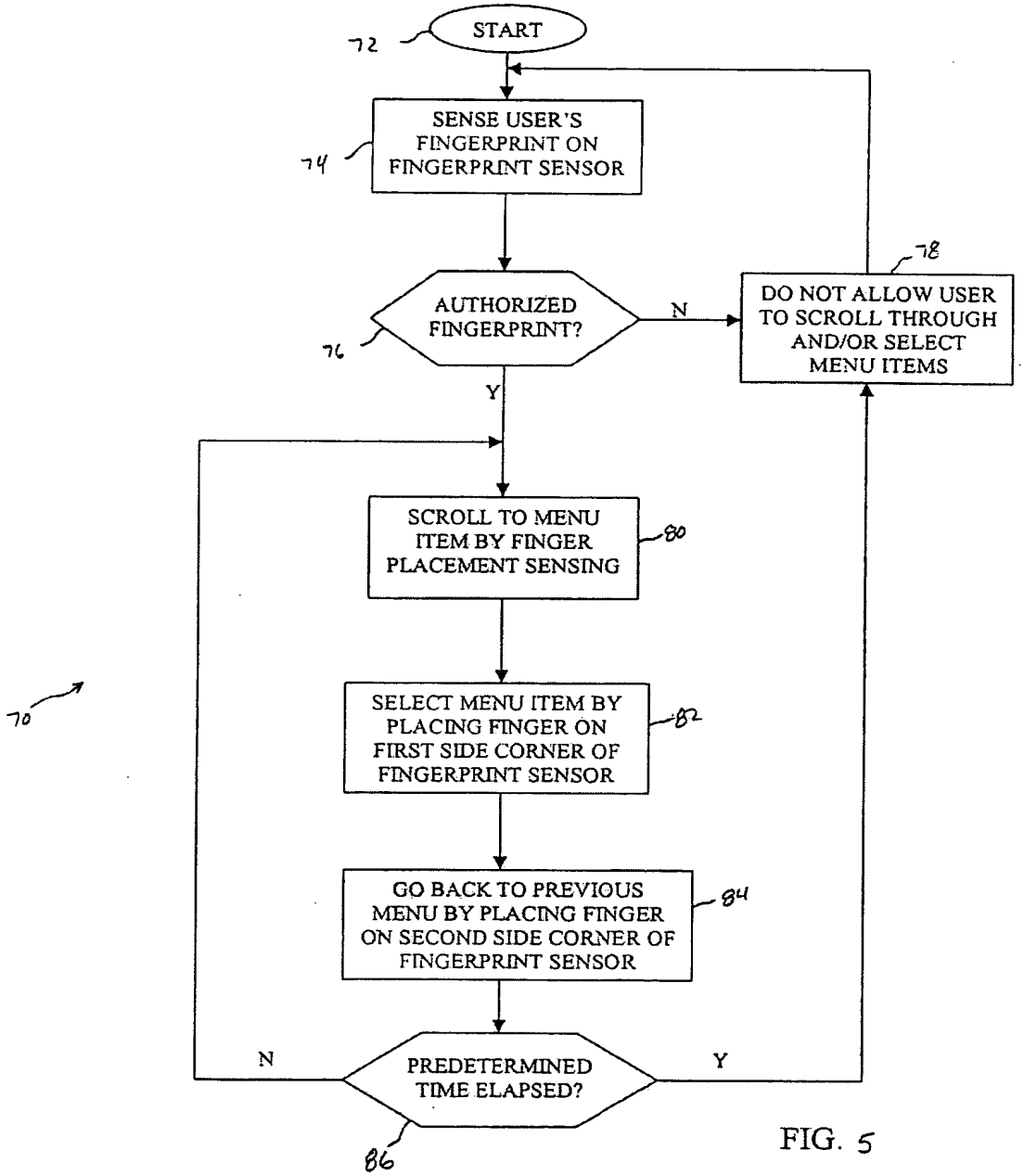
START
72
SENSE USER'S FINGERPRINT ON FINGERPRINT SENSOR
74
AUTHORIZED FINGERPRINT?
76
N
DO NOT ALLOW USER TO SCROLL THROUGH AND/OR SELECT MENU ITEMS
78
Y
SCROLL TO MENU ITEM BY FINGER PLACEMENT SENSING
80
SELECT MENU ITEM BY PLACING FINGER ON FIRST SIDE CORNER OF FINGERPRINT SENSOR
82
GO BACK TO PREVIOUS MENU BY PLACING FINGER ON SECOND SIDE CORNER OF FINGERPRINT SENSOR
84
N
PREDETERMINED TIME ELAPSED?
Y
86
70

FIG. 5

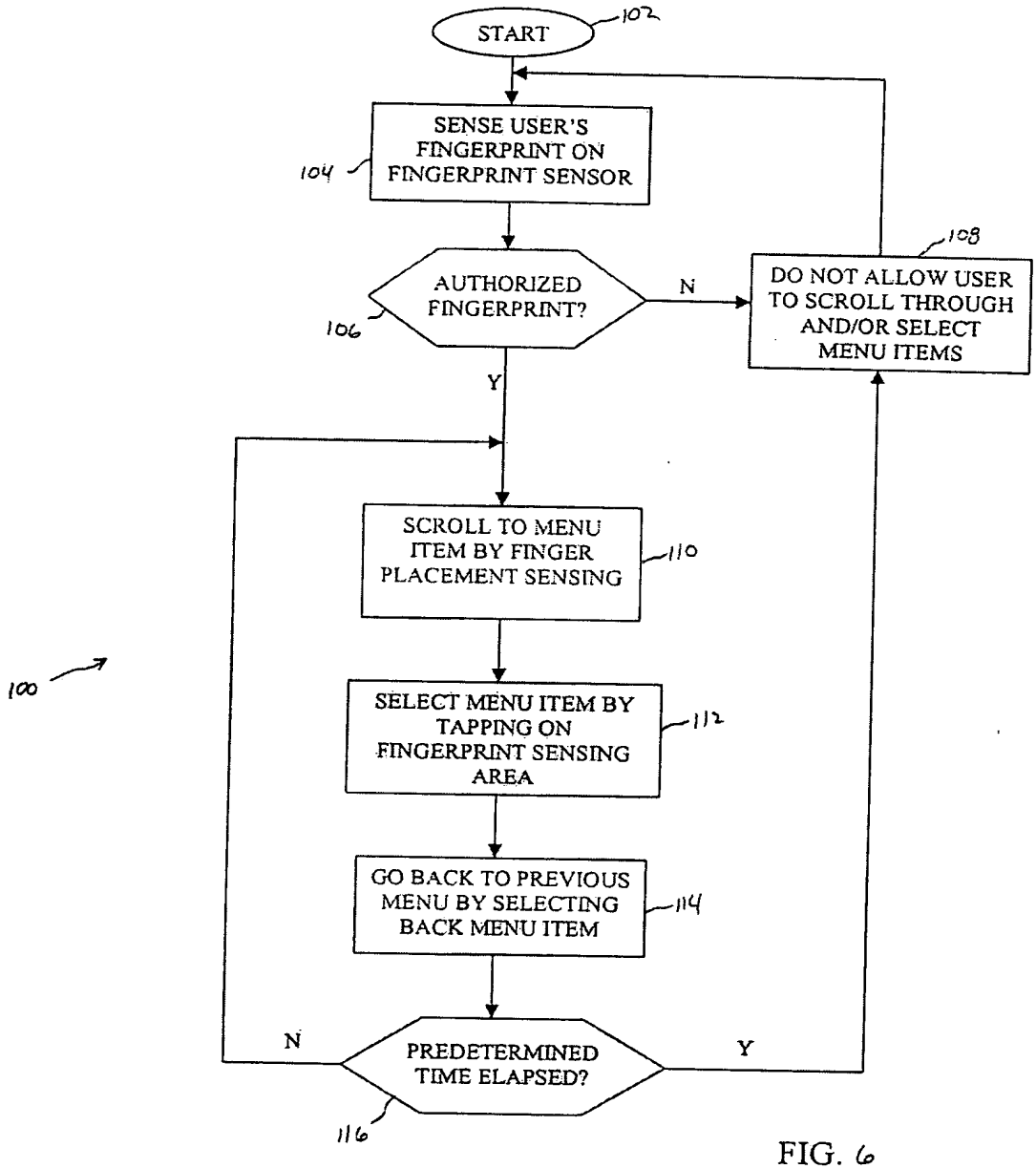
START
102
SENSE USER'S FINGERPRINT ON FINGERPRINT SENSOR
104
AUTHORIZED FINGERPRINT?
106
N
DO NOT ALLOW USER TO SCROLL THROUGH AND/OR SELECT MENU ITEMS
108
Y
SCROLL TO MENU ITEM BY FINGER PLACEMENT SENSING
110
SELECT MENU ITEM BY TAPPING ON FINGERPRINT SENSING AREA
112
GO BACK TO PREVIOUS MENU BY SELECTING BACK MENU ITEM
114
N
PREDETERMINED TIME ELAPSED?
116
Y
100

FIG. 6